



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

March 15, 2017

Jessica McLaughlin  
North American Crop Protection Stewart  
Taminco US LLC  
Two Windsor Plaza, Ste. 411  
7540 Windsor Drive  
Allentown, PA 18195

Subject: Label Amendment – Updating the label and removing the blackberry use site  
Product Name: Thionic Ziram Technical  
EPA Registration Number: 45728-14  
Application Date: 4/2/2015  
Decision Number: 503804

Dear Ms. McLaughlin:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance

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with FIFRA section 6. If you have any questions, you may contact Aline Heffernan at 703-347-8602 or via email at [heffernan.aline@epa.gov](mailto:heffernan.aline@epa.gov).

Sincerely,

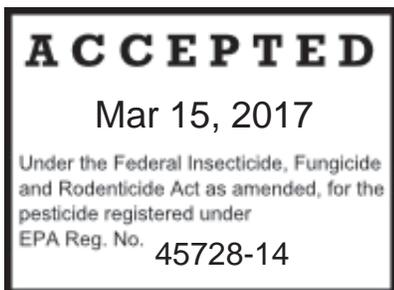
A handwritten signature in black ink, appearing to read "John Hebert" with a stylized flourish at the end.

John Hebert, Chief  
Regulatory Management Branch I  
Antimicrobials Division (7510P)  
Office of Pesticide Programs

Enclosure: Stamped Label



# Thionic<sup>®</sup> Ziram Technical (VANCIDE<sup>®</sup> MZ-98)



ACTIVE INGREDIENT:  
 Ziram (Zinc dimethyldithiocarbamate) ..... 98.25%  
 OTHER INGREDIENTS: ..... 1.75%  
 TOTAL: ..... 100.00%

EPA Reg. No. 45728-14

EPA Est. 32537-BEL-1

**KEEP OUT OF REACH OF CHILDREN  
DANGER PELIGRO**

SEE SIDE/BACK PANEL OR ATTACHED BOOKLET OR AS APPROPRIATE FOR ADDITIONAL PRECAUTIONARY STATEMENTS AND DIRECTIONS FOR USE.

<b>FIRST AID</b>	
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>▪ Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>▪ Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>▪ Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>▪ Move person to fresh air.</li> <li>▪ If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible</li> <li>▪ Call a poison control center or doctor for further treatment advice</li> </ul>
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>▪ Call a poison control center or doctor immediately for treatment advice.</li> <li>▪ Have person sip a glass of water if able to swallow.</li> <li>▪ Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>▪ Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>▪ Take off contaminated clothing.</li> <li>▪ Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>▪ Call a poison control center or doctor for treatment advice.</li> </ul>
<b>HOT LINE NUMBER</b>	
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For Emergencies involving a Spill, Leak, Fire, Exposure, or Accident, Contact: CHEMTREC at (800) 424-9300. For product usage information, phone Taminco US LLC, at (800) 223-3258 from 9:00 AM to 5:00 PM Eastern time.</p>	
<b>NOTE TO PHYSICIAN</b>	
<p>Possible mucosal damage may contraindicate gastric lavage.</p>	

**NET WEIGHT: 55 POUNDS (25 KG)**

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**DANGER:** Corrosive, causes irreversible eye damage. May be fatal if swallowed or inhaled. Harmful if absorbed through skin. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. Do not breathe dust. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. A NIOSH approved particulate respirator with any N, R or P filter with prefix TC-84A, or a NIOSH approved powered air purifying respirator with HE filter with NIOSH approval number prefix TC-21C. Use with adequate ventilation. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before re-use.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish and aquatic invertebrates. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA. Do not contaminate water when disposing of equipment washwaters.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

For use only by manufacturers in the formulation of fungicide products for the following uses: almonds, apples, apricots, blueberries, cherries, conifers/pine seedlings, grapes, nectarines, ornamentals, and ornamental fruit varieties, peaches, pears, pecans, and tomatoes. This product may be used in the formulation of material preservatives for the following non-pesticide products: latex paint, paper and paperboard, paper coatings, adhesives, dried films and industrial yarns and fabrics and short term spoilage protection for water reduced industrial materials. See Bulletin Thionic-01 for directions for these uses. Subsequent formulators are responsible for providing documentation to support the registration of their product(s).

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.

**PESTICIDE STORAGE:** Store in a cool, dry place in the original container and away from sources of ignition.

**PESTICIDE DISPOSAL:** Pesticide wastes may be hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

**CONTAINER HANDLING:** Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Dispose of empty bag in a sanitary landfill or by incineration or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Taminco US LLC makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label.



**Taminco US LLC  
Two Windsor Plaza, Suite 411  
7540 Windsor Drive  
Allentown, PA 18195**

## **APPLICATIONS**

This product may be used in the formulation of fungicide products for the following uses:

- \* Almonds
- \* Apples
- \* Apricots
- \* Blueberries
- \* Cherries
- \* Conifers/Pine Seedlings
- \* Grapes
- \* Nectarines
- \* Ornamentals
- \* Ornamental Fruit Varieties
- \* Peaches
- \* Pears
- \* Pecans
- \* Tomatoes

This product may be used in the formulation of the following non-pesticide products:

- latex paint
- paper and paperboard
- paper coatings
- water reduced industrial materials
- adhesives
- industrial yarns and fabrics
- dried films

## **DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

**Mold inhibitor for Latex Paint** – For exterior latex paints, use no more than 1% THIONIC based on total weight (equal to about 10 lbs. per 100 gallons). For all other paints, use no more than 3% THIONIC based on total weight (equal to no more than 30 lbs. per 100 gallons), added during the pigment-dispersion stage of manufacture. It is recommended that users of paints applied with an airless sprayer wear suitable respiratory protection. **Do not use in formulations containing metallic drier.**

**Mold Resistant Paper and Paperboard** – To impart mold resistant properties to paper or paperboard, apply as a surface treatment on size press or calendar stack. THIONIC diluted as required to retain 0.5% solids on the weight of the sheet. See TAPPI Standard T487M-54 for mold resistance evaluation method. Do not use for the manufacture of mold-resistant paper or paperboard intended for food packaging purposes.

**Preservation of Paper Coatings** – To preserve non-food contact paper coatings, add 0.1% THIONIC by weight or the dry starch or protein. Not for use in California.

**Preservation of Adhesives** – To preserve starch and synthetic latex adhesive formulations (dry, after water is added by end-user) against bacterial degradation add 0.185% to 0.5% THIONIC by weight of total composition, during manufacture of adhesive composition. This product is cleared for use in adhesives used in food packaging (FDA § 175.105).

**Preservation of Industrial Yarns and Fabrics** – For long-term protection of industrial yarns and fabrics from mildews, rots and bacterial decomposition, use 1.25% ± 0.25% THIONIC based on the weight of the material applied in water dispersion. Not for use in California.

**Preservative for Dried Films** – The dried films of water-based or water-reduced industrial materials are often subject to defacement by mold and mildew. Such materials include wall and ceiling textures, wallpaper paste, wallboard, joint compounds, spackles, wood fillers, caulks and sealants. THIONIC should be added at 0.185 to 0.5% (based on potential dry-film solids weight) during the initial phase of formula preparation to assure adequate wetting and disbursement.

**Short-term Spoilage Protection** – THIONIC can supply short-term protection from spoilage to water-reduced industrial materials including wallboard compounds. For successful control of spoilage, the use of good quality water and clean manufacturing conditions are required. In ready-mix products, add 0.4 - 0.5% THIONIC to the water-based formula during manufacture, based on total weight. In dry-powder formulas, the amount of THIONIC added during final manufacture should be sufficient to attain 0.4 - 0.5% THIONIC in the final mixture, once water is added at the use site.

**IMPORTANT**

Consult with Taminco US LLC or the Environmental Protection Agency to obtain information on currently registered uses for Ziram as they are subject to change.

Subsequent formulators are responsible for providing documentation to support any required registration of their product(s).

Thionic® is a registered trademark of Taminco BVBA., a Belgian corporation.